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## (54) POWER SUPPLY SYSTEM

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To enable electric power supply, without influence by instantaneous voltage drop and service interruption on the most important load, when cutting off a power system at generation of instantaneous voltage drop and service interruption, in a power supply system where a generator is operated at all times is linked with the power system.

**SOLUTION:** This power supply system consists of a generator 21, which is always operated and linked with a power system via a high speed breaker system 30, and an uninterruptible power supply 10 connected to the generator. As a power supply means 13 of the uninterruptible power supply 10, one among a capacitor, an electric double layer capacitor, a flywheel and superconducting power storage is used.

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